

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2005/000410

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 B23G 1/16, B23B 31/08**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7; B23G, B23B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

KR,JP; IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 04385854 (Miyakawa Industry Co., Ltd.) See the whole document	1-7
A	JP 58165906 A1(Fuji Tekkōshō;KK) See the whole document	1-7
A	KR 1019980019675 A (Hyundai Motor Company) See the whole document	1-7
A	KR 2019990039238 U (Kim, Sang Jae) See the whole document	1-7



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 JUNE 2005 (10.06.2005)

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Name and mailing address of the ISA/KR

Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM, Chun Hee

Telephone No. 82-42-481-5417



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/000410

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US04385854	31.05.1983	DE3031216A1	12.03.1981
		DE3031216C2	28.11.1985
		JP56033206A2	03.04.1981
		JP56033206	03.04.1981
		JP56033232A2	03.04.1981
		JP56033232	03.04.1981
JP58165906	01.10.1983	None	
KR1019980019675	25.06.1998	KR216448B1	16.08.1999
KR2019990039238	05.11.1999	None	